

**BN**thermic

BNMTS4001

# TS-4 Push Button Timer



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sales@bnthermic.co.uk  
www.bnthermic.co.uk

## 1. General Information

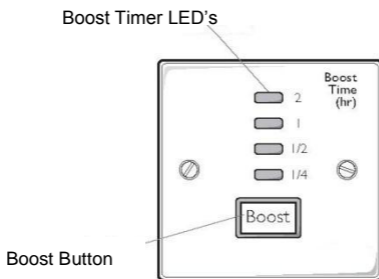


Fig.1) TS-4 Front Panel

### Contents:

- 1 TS-4 Push Button Timer
- 2 3.5mm screws.
- 1 Bag containing: 2 screws, cable blank and cable clamp.
- 1 Instruction leaflet.

The TS-4 is a push button timer giving a range of boost times from 1/4hr to 2hrs covering the majority of requirements for heating.

The unit fits on a single gang wall box, flush or surface, 25mm deep and above.

It can be instantly cancelled or reset and the 1/4hr LED flashes a warning of time out.

A blanking plate can be removed to allow an appliance cord to outlet from the lower front.

## 2. Installation

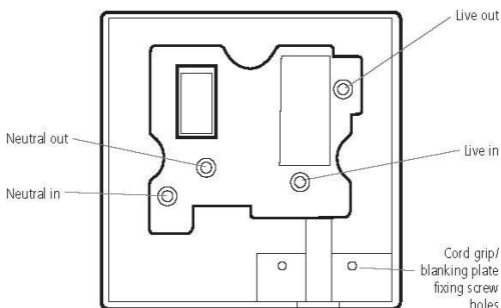


Fig. 2) TS-4 Rear Connections

The unit is designed to replace an existing single gang connection unit, socket outlet or fixed appliance outlet. The unit is capable of forming part of a ring main (the terminals can accept 2 x 2.5mm sq. cables) or terminating a spur off the ring main. The unit requires a minimum depth of 25mm within the box.

Ensure that the wiring is adequate for the load to be carried. Connect incoming and outgoing cables to the relevant terminals. Secure the unit to the back box with the 3.5mm screws provided forming the cables during installation to avoid entrapment and cable damage.

Use the earth terminal in the back box for earth continuity if required. If installed into a metal back box, earthing of the back box is required.

There is a removable cable blank to cover the front cable exit if this feature is not required. If front exiting cable is required use the cable clamp supplied to secure the outgoing cable.

### 3. Operation

The required boost time is selected by pressing the button marked Boost repeatedly. The LED's adjacent to the time markers (above the Boost button) will light up in the sequence:-

- |                      |                             |                                |
|----------------------|-----------------------------|--------------------------------|
| 1 <sup>st</sup> push | 1/4hr boost (LED 1/4 is on) |                                |
| 2 <sup>nd</sup> push | 1/2hr boost                 | (LED's 1/4 & 1/2 on)           |
| 3 <sup>rd</sup> push | 1hr boost                   | (LED's 1/4, 1/2 & 1 are on)    |
| 4 <sup>th</sup> push | 2hr boost                   | (LED's 1/4, 1/2, 1 & 2 are on) |
| 5 <sup>th</sup> push | Returns to zero boost       | (all LED's out)                |

Once the boost selected is underway the LED's will go out sequentially indicating the approximate boost time remaining.

Example:- 2hr boost has been set.

After 1hr the 2hr LED will go out indicating 1hr remaining.

After a further 1/2hr the 1hr LED will go out indicating 1/2hr remaining.

After a further 1/4hr the 1/2hr LED will go out indicating 1/4hr remaining.

The 1/4hr LED begins to flash when there is less than 1 minute remaining.

In this way the user has an approximate guide to the remaining duration of the boost.

#### **Stopping or Increasing Boost**

The boost may be stopped at any time by pressing the Boost button repeatedly until all the LED's are extinguished.

The boost period may be increased at any time by pressing the Boost button until the required time LED is lit. In which case the indicated boost time will start from when the Boost button was pressed.

If the button is pressed and then held the LED's will cycle upwards with 1 second between each change. It will go in the sequence 1/4, 1/2, 1, 2, OFF, 1/4, 1/2 etc.

## 4. Specifications

### **This product complies with:**

LVD Directive 72/23/EEC.  
EMC Directive 89/336/EEC.

and relevant clauses of the following standards:

BS EN 60730-7-2:1992; Particular requirements.  
Timers and time switches.

### **Permissible loads:**

3A resistive.  
5A inductive.  
1000W filament lamps.  
500W fluorescent lighting.  
100W low energy lamps.

For other loads refer to technical service  
On T: 01293 547 361

Operating ambient temperature: 0 to +40°C.  
Operating voltage: 230VAC, 50Hz.  
Boost times: 1/4hr, 1/2hr, 1hr, 2hr.  
Size: 85mm L x 85mm W x 31mm D.  
Front projection: 15 at sides to 22 at centre.  
Minimum wall box depth: 25mm.

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